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Section 18

State Water Plan - Cedar/Beaver Basin

Industrial Water

18.1 Introduction

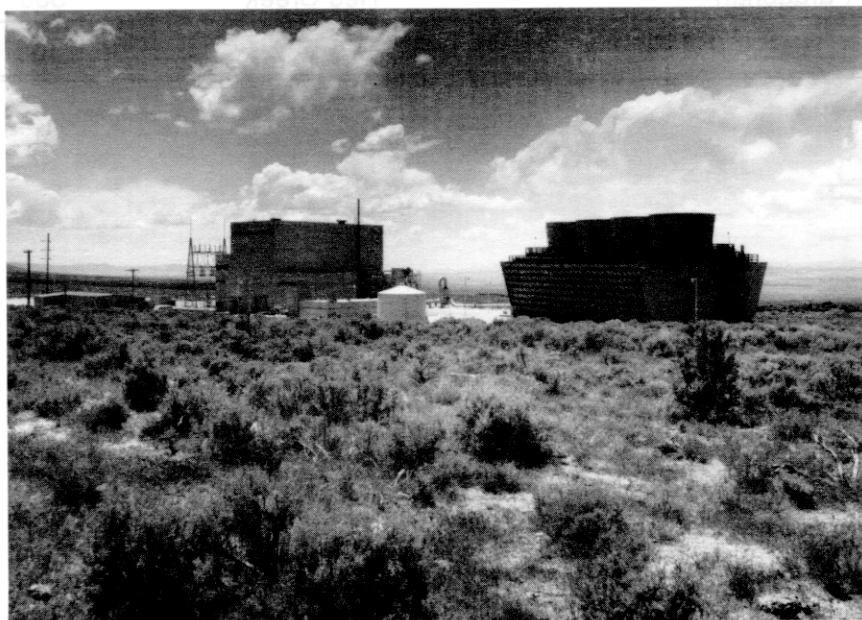
The current uses of water by industry are small, but they are likely to increase in the future. At present, two of the largest water using enterprises are under construction. They are Circle Four Farms near Milford and Western Quality Foods in Cedar City. Projections of future demands by industry must be anticipated with the best accuracy possible. It is important, however, that suitable water be available for industry attracted to the basin. This section discusses the present uses of water for industrial purposes and highlights uses that may expand in the years ahead.

18.2 Background

The primary use of water for industrial purposes is geothermal and hydroelectric power production. These are uses that do not deplete the water resources. Six hydroelectric power plants are now in operation; four on the Beaver River above Beaver, one on Center Creek at Parowan, and one on Red Creek above Paragonah. The existing hydroelectric power plants are shown in Table 18-1. One plant on the Beaver River and one on Pinto Creek are not currently in operation. Utah Power operates a geothermal power plant at Roosevelt Springs and Mother Earth Resources operates one at Sulphurdale. There is a

greenhouse operation in New Castle using geothermal water as well as cold groundwater for its operation. Other industrial users include Cache Valley Cheese in Beaver, Circle Four Farms hog production facility southwest and Continental Lime Company north of Milford, and an air bag propellant manufacturing plant northwest of Cedar City. All of these, except for the greenhouse, the dairy and the hog facility are minor users of water with some having their own wells. There are always some human needs in connection with the industrial uses. Often, water is also used for aesthetic

■ Although the use of water by industry is small, it serves many purposes and carries a high value. Water is used as a solvent for temperature control, to carry away wastes, for human needs, and for aesthetics.



Geothermal power plant at Roosevelt Springs

purposes such as lawns and landscaping. All of these uses are generally minor.

18.3 Policy Issues and Recommendations

There is relatively little industrial water use in the Cedar/Beaver Basin and most of the supply is delivered through municipal systems. There are some self-supplied uses. There are no policy issues or recommendations in this section.

18.4 Projected Industrial Water Development

Heavy industrial requirements for water is not expected to increase. Light industry is being attracted to the area and this will increase the total industrial water use. A load-out area for a coal project is being

considered in the Iron Springs area and an explosives testing firm is considering locating in the vicinity of the silver mine southwest of Beryl. An ultra high temperature milk processing plant (Western Quality Foods) in Cedar City will be a large water user. Circle Four Farms hog production facilities near Milford will use large quantities of water.

There may be additional power generating plants but this is unlikely in the near future. Possible sites have been identified at Minersville Reservoir and Three Creeks at Kents Lake on the Beaver River, on the First and Second Left Hand Fork and at the Coop Reservoir site on Parowan Creek, and at Newcastle Reservoir on Pinto Creek. ■ ■

Table 18-1³²
HYDROELECTRIC POWER PLANTS

Name	River	Installed Capacity (kw)	Owner
Beaver No. 1	Beaver	275	Beaver City Corp.
Beaver No. 2	Beaver	650	Beaver City Corp.
Beaver No. 3	Beaver	675	Beaver City Corp.
Beaver Upper	Beaver	2,400	Utah Power
Center Creek	Center Creek	600	Parowan City Corp.
Paragonah	Red Creek	500	Parowan City Corp.
TOTAL		5,100	